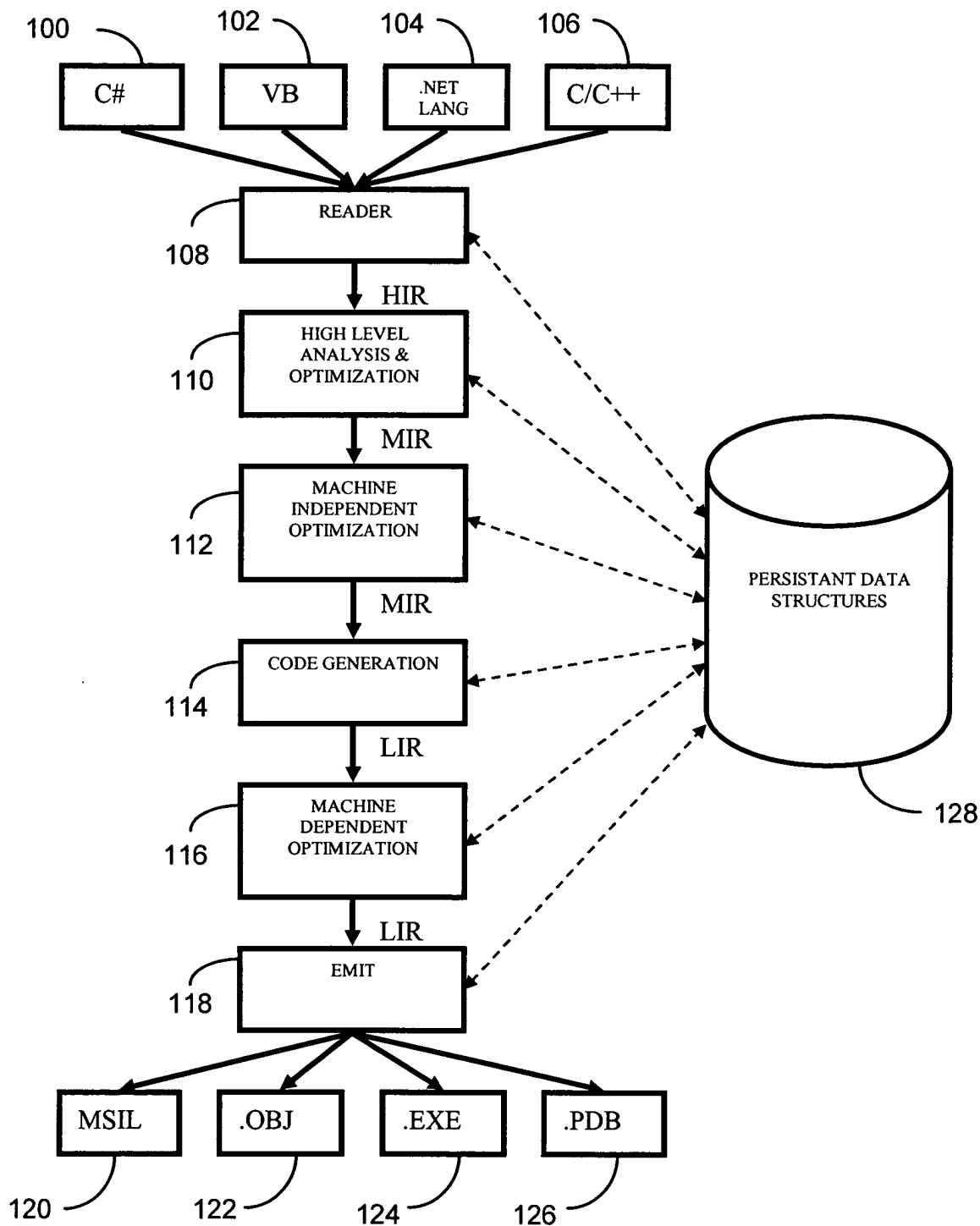


FIG. 1



## FIG. 2

**Source:**

**z = a + b + c; - 200**

**HIR:**

**t1 = ADD a, b - 202**

**t2 = ADD t1, c - 204**

**z = ASSIGN t2 - 206**

**LIR.**

**t1(EAX), cc = x86add a(EAX), b(EDX) - 208**

**t2(EAX), cc = x86add t1(EAX), c(EBX) - 210**

**z = x86mov t2(eax) - 212**

FIG. 3

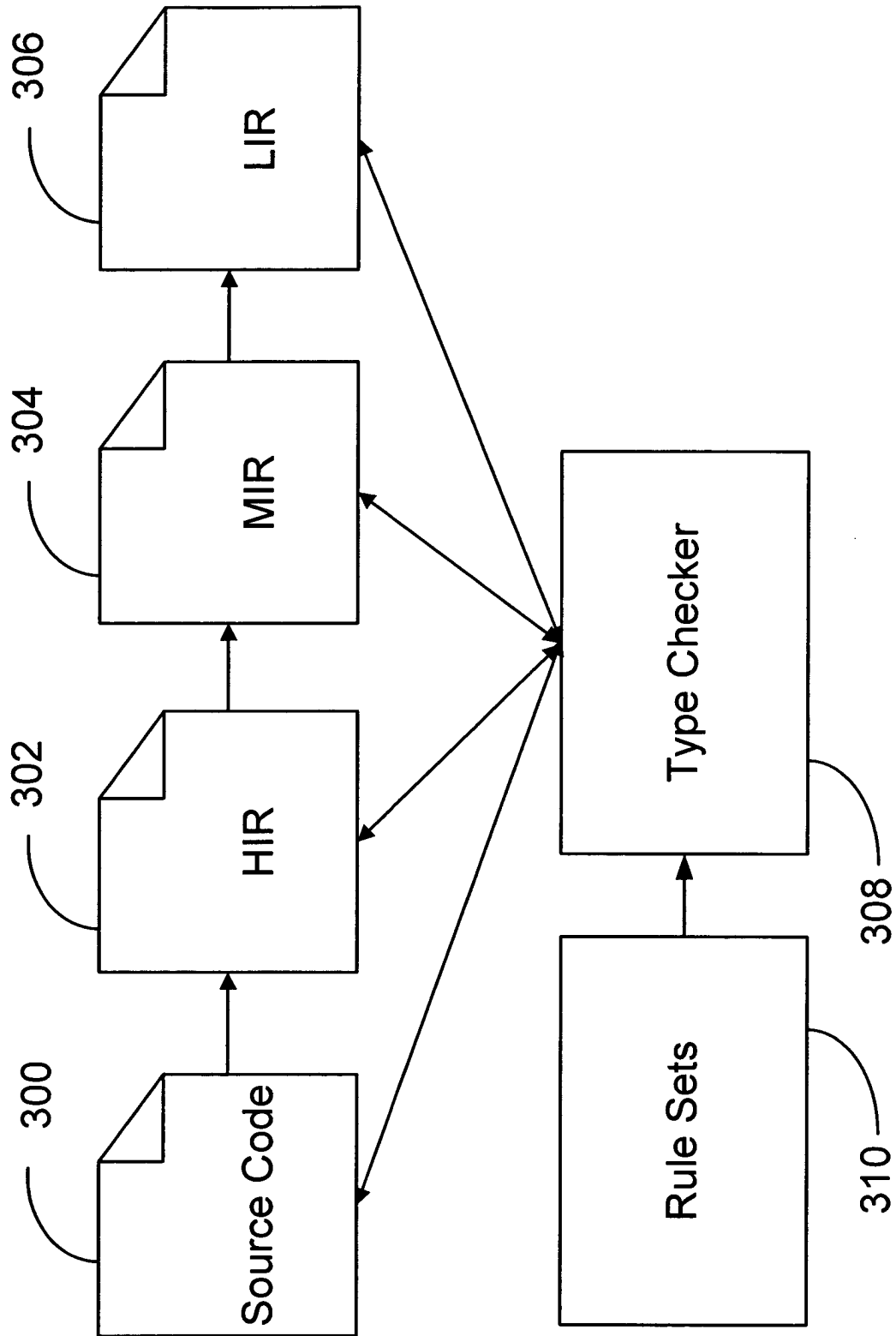


FIG. 4

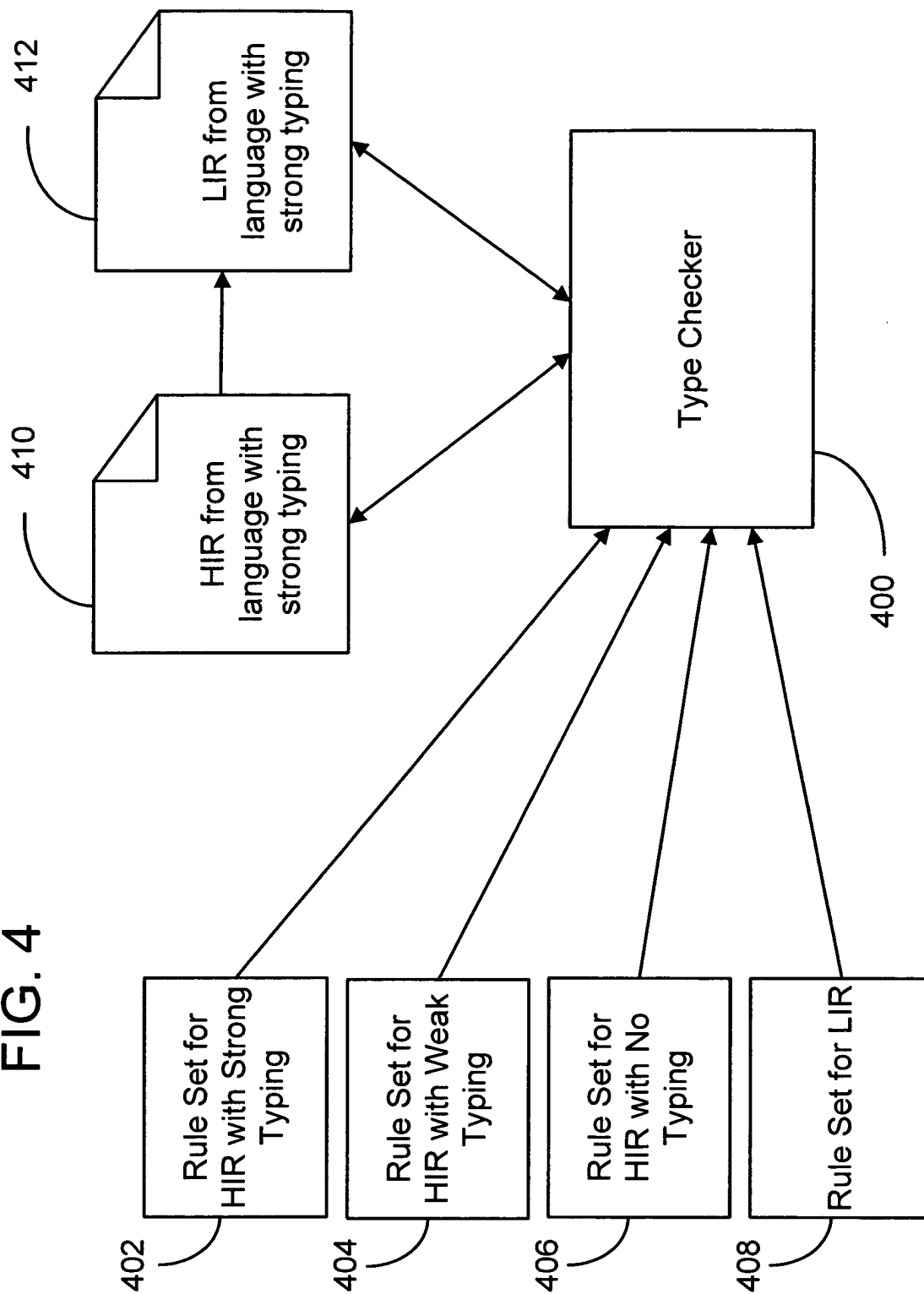


FIG. 5

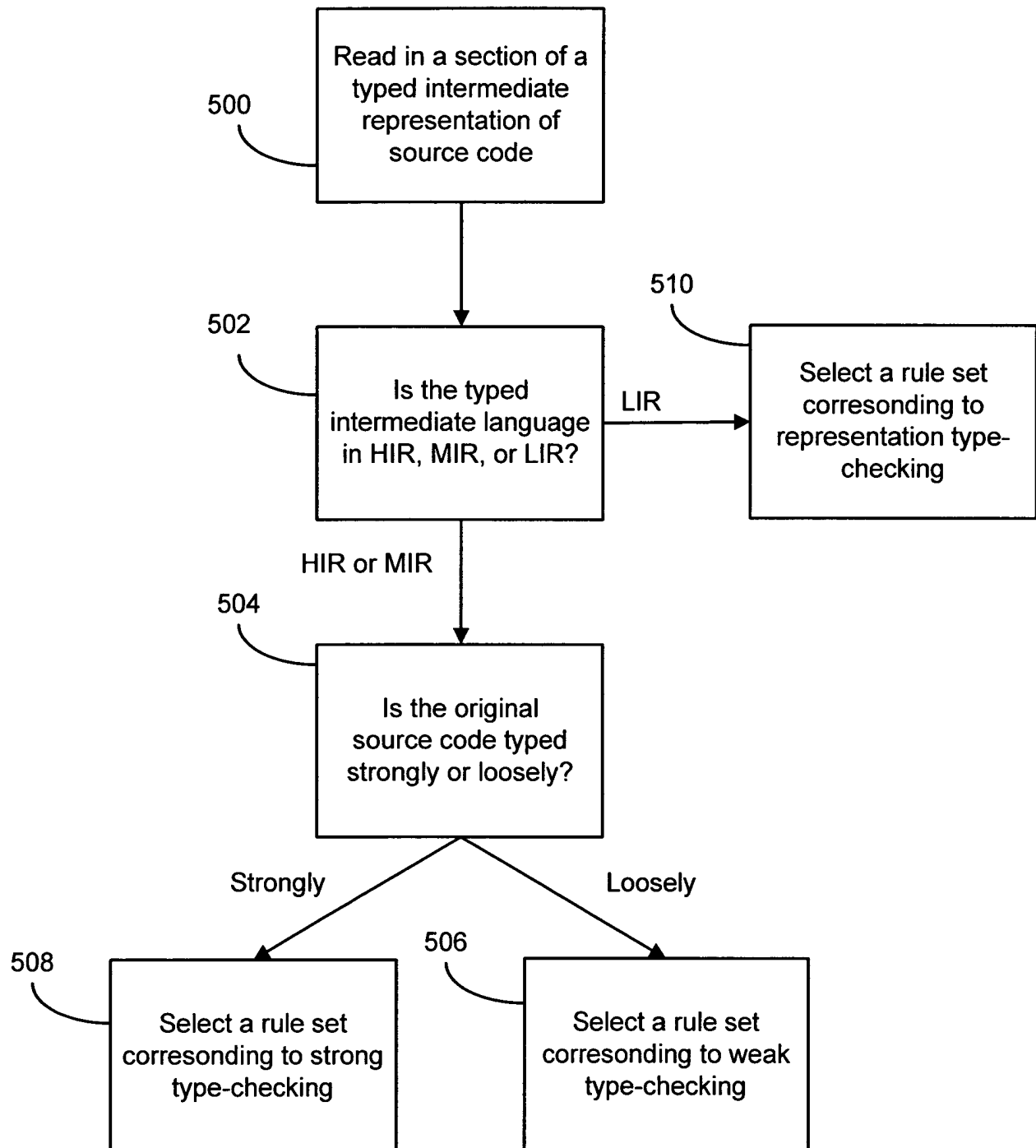


FIG. 6

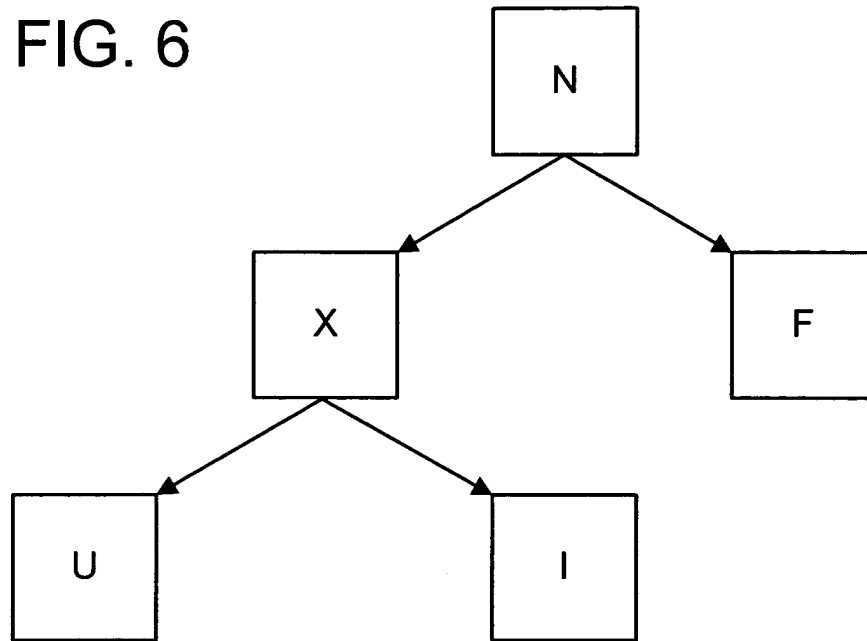


FIG. 7

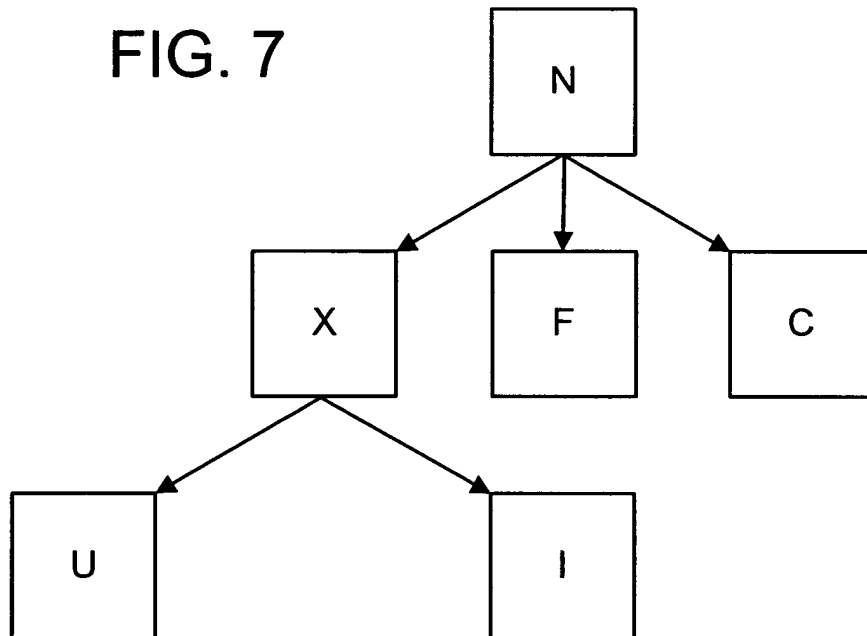
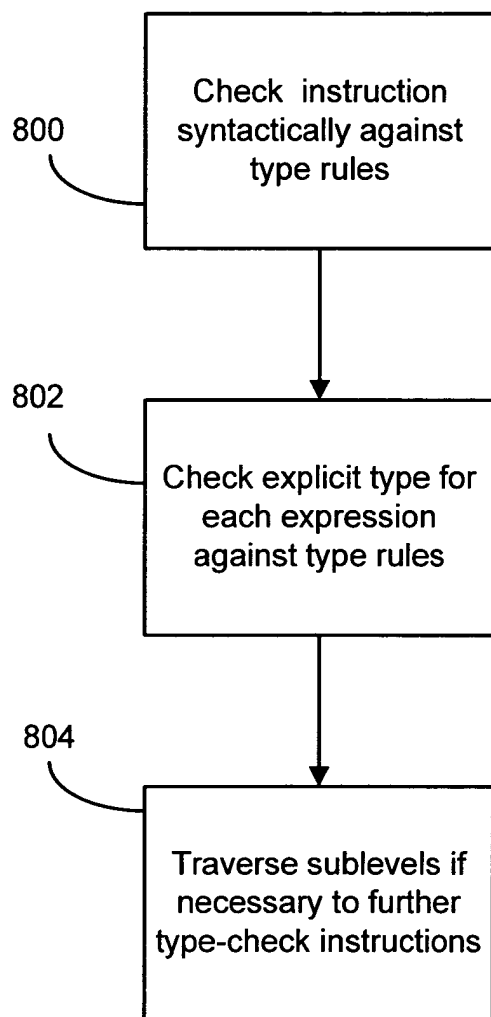


FIG. 8



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e1 = ADD e2, foo(e3)

